



References Reviewed for Development of 2014 Proposed HPA Rule Changes

Table A presents the 1,865 references that are cited in the *Compiled White Papers For Hydraulic Project Approval Habitat Conservation Plan (HCP)*¹ and reviewed by WDFW staff during development of the WDFW-proposed changes to the Hydraulic Code Rules, Chapter 220-110 Washington Administrative Code. Table B presents forty-two ancillary references that were recently brought to our attention and considered in rulemaking but not yet incorporated into the Compiled White Paper literature review. Each reference is categorized for its level of peer review pursuant to Substitute House Bill 2661, which passed the Washington Legislature in 2014. A key to the review categories under SHB 2661 is provided in Table C. References assembled by Carol Piening, 2008, and Randall Thurston, 2014; categorized by T. Quinn, 2014.

Individual papers that comprise the *Compiled White Papers for Hydraulic Project Approval Habitat Conservation Plan* were originally created to support the development of a Habitat Conservation Plan for the HPA program. They were intended to: 1) Synthesize the best available scientific information related to the potential human impacts on species, their habitats, and associated ecological processes resulting from the construction, maintenance, repair, replacement, modification, and removal of HPA-permitted projects; 2) Estimate the circumstances, mechanisms, and risks to some species likely to result from the construction and repair of HPA-permitted projects; 3) Address the impacts of current (i.e., 2008) HPA rules for some fish species, their habitats, and ecological processes; and 4) Identify appropriate and practicable measures, including policy directives, conservation measures, and best management practices (BMPs), to avoid, minimize, or mitigate negative effects of construction activities that affect fish life.

Table A	SHB 2661 Review Category
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Aarestrup, K., and A. Koed. 2003. Survival of Migrating Sea Trout (<i>Salmo Trutta</i>) and Atlantic Salmon (<i>Salmo Salar</i>) Smolts Negotiating Weirs in Small Danish Rivers. <i>Ecology of Freshwater Fish</i> 12(3): 169-176.	i
Abbe, T.B., and D.R. Montgomery. 1996. Large Woody Debris Jams, Channel Hydraulics and Habitat Formation in Large Rivers. <i>Regulated Rivers-Research & Management</i> 12(2-3): 201-221.	i
Abbe, T.B., and D.R. Montgomery. 2003. Patterns and Processes of Wood Debris Accumulation in the Queets River Basin, Washington. <i>Geomorphology</i> 51(1-3): 81-107.	i
Abbott, R. R., E. Bing-Sawyer, and R. Blizard. 2002. Administrative Draft Assessment of Pile Driving Impacts on the Sacramento Blackfish (<i>Orthodon microlepidotus</i>). Caltrans, Oakland, California	vi
Abdelrhman, M.A. 2003. Effect of Eelgrass <i>Zostera Marina</i> Canopies on Flow and Transport. <i>Marine Ecology-Progress Series</i> 248: 67-83.	i
Able, K. W., J.P. Manderson, and A.I. Studholme. 1998. The distribution of shallow water juvenile fishes in an urban estuary: the effects of man-made structures in the Lower Hudson River. <i>Estuaries</i> 21: 731-44. Cited in Nightingale and Simenstad 2001b.	i

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Adams, P.B., C.B. Grimes, J.E. Hightower, S.T. Lindley, and M.L. Moser. 2002. Status Review for North American Green Sturgeon, <i>Acipenser mediorstris</i> . National Marine Fisheries Service, Southwest Fisheries Science Center. June 2002.	vi
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Albers, W. D., and P.J. Anderson. 1985. Diet of Pacific cod, <i>Gadus macrocephalus</i> , and predation on the northern pink shrimp, <i>Pandalus borealis</i> , in Pavlof Bay, Alaska. <i>Fishery Bulletin</i> 83: 601-10. Cited in Nightingale and Simenstad 2001a.	i
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Amoser, S., and F. Ladich. 2005. Are Hearing Sensitivities of Freshwater Fish Adapted to the Ambient Noise in Their Habitats? <i>The Journal of Experimental Biology</i> 208: 3533-3542.	i
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Angermeier, P.L., and J.R. Karr. 1984. Relationships between Woody Debris and Fish Habitat in a Small Warmwater Stream. <i>Transaction of the American Fisheries Society</i> 113: 716-726.	i
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Anisfeld, S.C., and G. Benoit. 1997. Impacts of Flow Restrictions on Salt Marshes: An Instance of Acidification. <i>Environmental Science and Technology</i> 31: 1650-1657.	i

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Banner, A., and M. Hyatt. 1973. Effects of Noise on Eggs and Larvae of Two Estuarine Fishes. <i>Transaction of the American Fisheries Society</i> 102: 134-136.	i
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Barrett, M.E. 2005. BMP Performance Comparisons: Examples from the International Stormwater BMP Database. <i>World Water Congress 2005, Anchorage, Alaska, USA, May 15, 2005.</i> pp. 163.	vi
Barrett, M.E., J.M. Malina, R.J. Charbeneau, and G.H. Ward. 1995. Characterization of Highway Runoff in the Austin, Texas. <i>CRWR 263.</i> Austin, Texas: Center for Research in Water Resources.	vi
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Bates, K. 1997. Fishway Design Guidelines for Pacific Salmon. Washington Department of Fish and Wildlife. Washington Department of Fish and Wildlife - Lands and Restoration Services Program. Olympia, Washington.	iii
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Table C Key to SHB 2661 Categories:

Category Code	SHB 2661 Section 1(c)
i	(i) Independent peer review: Review is overseen by an independent third party
ii	(ii) Internal peer review: Review by staff internal to the department of fish and wildlife;
iii	(iii) External peer review: Review by persons that are external to and selected by the department of fish and wildlife;
iv	(iv) Open review: Documented open public review process that is not limited to invited organizations or individuals;
v	(v) Legal and policy document: Documents related to the legal framework for the significant agency action including but not limited to: (A) Federal and state statutes; (B) Court and hearings board decisions; (C) Federal and state administrative rules and regulations; and (D) Policy and regulatory documents adopted by local governments;
vi	(vi) Data from primary research, monitoring activities, or other sources, but that has not been incorporated as part of documents reviewed under the processes described in (c)(i), (ii), (iii), and (iv) of this subsection;
vii	(vii) Records of the best professional judgment of department of fish and wildlife employees or other individuals; or
viii	(viii) Other: Sources of information that do not fit into one of the categories identified in this subsection (1)(c).

SUBSTITUTE HOUSE BILL 2261

Passed Legislature - 2014 Regular Session

State of Washington 63rd Legislature 2014 Regular Session

By House Agriculture & Natural Resources (originally sponsored by Representatives Short, Fagan, and Magendanz)

READ FIRST TIME 02/04/14.

1 AN ACT Relating to the use of science to support significant agency
2 actions; and amending RCW 34.05.271.
3 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:
4 **Sec. 1.** RCW 34.05.271 and 2013 c 68 s 2 are each amended to read
5 as follows:
6 (1)(a) Before taking a significant agency action, the department of
7 fish and wildlife must identify the sources of information reviewed and
8 relied upon by the agency in the course of preparing to take
9 significant agency action. Peer-reviewed literature, if applicable,
10 must be identified, as well as any scientific literature or other
11 sources of information used. The department of fish and wildlife shall
12 make available on the agency's web site the index of records required

under RCW 42.56.070(((6))) that are relied upon, or invoked, in support of a proposal for significant agency action.

(b) On the agency's web site, the department of fish and wildlife must identify and categorize each source of information that is relied upon in the form of a bibliography, citation list, or similar list of sources. The categories in (c) of this subsection do not imply or infer any hierarchy or level of quality.

(c) The bibliography, citation list, or similar list of sources must categorize the sources of information as belonging to one or more of the following categories:

(i) Independent peer review: Review is overseen by an independent third party;

(ii) Internal peer review: Review by staff internal to the department of fish and wildlife;

(iii) External peer review: Review by persons that are external to and selected by the department of fish and wildlife;

(iv) Open review: Documented open public review process that is not limited to invited organizations or individuals;

(v) Legal and policy document: Documents related to the legal framework for the significant agency action including but not limited to:

(A) Federal and state statutes;

(B) Court and hearings board decisions;

(C) Federal and state administrative rules and regulations; and

(D) Policy and regulatory documents adopted by local governments;

(vi) Data from primary research, monitoring activities, or other sources, but that has not been incorporated as part of documents reviewed under the processes described in (c)(i), (ii), (iii), and (iv) of this subsection;

(vii) Records of the best professional judgment of department of fish and wildlife employees or other individuals; or

(viii) Other: Sources of information that do not fit into one of the categories identified in this subsection (1)(c).

(2)(a) For the purposes of this section, "significant agency action" means an act of the department of fish and wildlife that:

(i) Results in the development of a significant legislative rule as defined in RCW 34.05.328;

(ii) Results in the development of technical guidance, technical assessments, or technical documents that are used to directly support implementation of a state rule or state statute; or

(iii) Results in the development of fish and wildlife recovery plans.

(b) "Significant agency action" does not include rule making by the department of fish and wildlife associated with fishing and hunting rules.

1 (3) This section is not intended to affect agency action regarding
2 individual permitting, compliance and enforcement decisions, or
3 guidance provided by an agency to a local government on a case-by-case
4 basis.

Passed by the House February 12, 2014.

Passed by the Senate March 4, 2014.

Approved by the Governor March 13, 2014.

Filed in Office of Secretary of State March 14, 2014.